



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification: A61K 7/48, A61K 7/46	A1	(11) International Publication Number: WO 00/09083 (43) International Publication Date: 24 February 2000 (24.02.2000)
(21) International Application Number: PCT/IB99/01423 (22) International Filing Date: 12 August 1999 (12.08.1999) (30) Priority Data: 60/096,643 14 August 1998 (14.08.1998) US (60) Parent Application or Grant: L'OREAL S.A. [/]; () ENGELHART, Carolyn [/]; ()		Published
(54) Title: STABLE CLEANSING COMPOSITIONS CONTAINING ACTIVE AGENTS (54) Titre: COMPOSITIONS DE NETTOYAGE STABLES CONTENANT DES AGENTS REACTIFS (57) Abstract <p>Stable cleansing compositions comprising a stabilizing agent chosen from ethoxylated solubilizing agents, a surfactant and an active agent, i.e. a fragrance, and a process for stabilizing such compositions.</p> (57) Abrégé <p>L'invention concerne des compositions de nettoyage stables, contenant un agent de stabilisation choisi parmi des agents de solubilisation éthoxylés, un agent réactif, et un tensioactif, par exemple un parfum, et un procédé de stabilisation de ces compositions.</p>		

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : A61K 7/48, 7/46	A1	(11) International Publication Number: WO 00/09083 (43) International Publication Date: 24 February 2000 (24.02.00)
(21) International Application Number: PCT/IB99/01423 (22) International Filing Date: 12 August 1999 (12.08.99) (30) Priority Data: 60/096,643 14 August 1998 (14.08.98) US (71) Applicant: L'OREAL S.A. [FR/FR]; 14, rue Royale, F-75008 Paris (FR). (72) Inventor: ENGELHART, Carolyn; 20 Commerce Street, Garfield, NJ 07026 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: STABLE CLEANSING COMPOSITIONS CONTAINING ACTIVE AGENTS (57) Abstract Stable cleansing compositions comprising a stabilizing agent chosen from ethoxylated solubilizing agents, a surfactant and an active agent, i.e. a fragrance, and a process for stabilizing such compositions.		

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TC	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece	ML	Mali	TR	Turkey
BG	Bulgaria	HU	Hungary	MN	Mongolia	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MR	Mauritania	UA	Ukraine
BR	Brazil	IL	Israel	MW	Malawi	UG	Uganda
BY	Belarus	IS	Iceland	MX	Mexico	US	United States of America
CA	Canada	IT	Italy	NE	Niger	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NL	Netherlands	VN	Viet Nam
CG	Congo	KE	Kenya	NO	Norway	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NZ	New Zealand	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	PL	Poland		
CM	Cameroon	KR	Republic of Korea	PT	Portugal		
CN	China	KZ	Kazakhstan	RO	Romania		
CU	Cuba	LC	Saint Lucia	RU	Russian Federation		
CZ	Czech Republic	LI	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						

5

STABLE CLEANSING COMPOSITIONS CONTAINING ACTIVE AGENTS

10

This application claims the benefit of U.S. Provisional Application No. 60/096,643, filed August 14, 1998.

15

The present invention relates to stable personal cleansing compositions comprising: at least one stabilizing agent chosen from specific ethoxylated solubilizers, particularly polyethylene glycol ("PEG") ethers of fatty alcohols; at least one active agent, particularly a lipophilic compound; and at least one surfactant. The present invention also relates to a process for stabilizing cleansing compositions containing at least one active agent, particularly at least one lipophilic compound.

20

25

Personal cleansing compositions are useful for maintaining good skin hygiene. In so doing, personal cleansing compositions should be able to cleanse the skin of excess sebum, make-up residues, and particularly compositions which have waterproof or non-transfer properties. Conventional personal cleansing compositions use soaps based on alkali salts of fatty acids, synthetic surfactants, or mixtures of soaps and synthetic surfactants. Typically, these compositions are in the form of solid soap bars. These conventional compositions, however, have several disadvantages. In particular, conventional compositions can be harsh, removing the hydro-lipidic film of the skin, leaving the skin extremely dry. Moreover, these soap bar compositions can exhibit poor rinsability, leaving a film on the skin after rinsing. Cleansing compositions based only on synthetic surfactants, i.e., without soaps, can have problems with their foam. Often the foam obtained with these compositions is abundant but does not have the fine and dense texture offered by soaps.

30

35

40

45

Personal cleansing compositions can also act as delivery systems for active agents. "Active agents," in accordance with the present invention, include compounds typically identified as such by those of ordinary skill in the art, for example moisturizers, emollients, and uv filters, as well as fragrances. However, certain active agents can disrupt the stability of conventional cleansing compositions. Lipophilic compounds, and fragrances in particular, especially at

50

CONFIRMATION COPY

55

-2-

5 higher concentrations, can disrupt the stability of cleansing compositions and often suppress foam.

10 It is therefore an object of the present invention to provide a personal cleansing composition which contains at least one active agent, particularly at least one lipophilic agent, yet exhibits a stable viscosity profile.

15 It is another object of the present invention to provide a personal cleansing composition which can be fragranced yet exhibits a stable viscosity profile.

It is a further object of the present invention to provide thickened, fragranced, cleansing compositions with good foaming and conditioning properties.

20 It is yet another object of the present invention to provide a process for stabilizing personal cleansing compositions containing at least one active agent, particularly at least one lipophilic active agent.

25 Accordingly, the present invention relates to stable personal cleansing compositions comprising at least one stabilizing agent chosen from ethoxylated solubilizing agents, at least one active agent, and at least one surfactant. These compositions can further comprise water.

30 The present invention also relates to a process for stabilizing personal cleansing compositions comprising at least one active agent and at least one surfactant by including therein at least one stabilizing agent chosen from ethoxylated solubilizing agents.

35 Thus, the subject of the present invention is a personal cleansing composition containing at least one active agent and at least one surfactant, and further comprising at least one stabilizing agent, wherein the viscosity profile of the composition remains relatively constant, i.e., the composition is stable. Active
40 agents useful in the present invention include, but are not limited to, lipophilic compounds such as retinol or its derivatives, vitamin E or its derivatives, bisabolol, oils, particularly vegetable oils, and fragrances. More preferably, the active agent is a fragrance. The surfactant used in the present invention is preferably an
45 anionic surfactant. The stabilizing agent is preferably chosen from ethoxylated solubilizing agents. More preferably, the stabilizing agent is chosen from polyethylene glycol ethers of fatty alcohols. The inventive composition can have
50 conditioning properties and foaming properties as well.

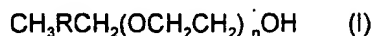
55

-3-

5 A "stable" composition in accordance with the present invention is either a composition whose viscosity does not change more than 20% from its initial value within 8 weeks at 45°C or a composition whose initial viscosity is at a level useful in
10 a cleansing composition, e.g., not lower than about 5000 cps. "Initial viscosity" is the viscosity 24 hours after manufacture of a cleansing composition. The stability of a compound can be a predictor of shelf life. For example, a compound whose
15 viscosity does not change more than 20% within 8 weeks at 45°C might have a shelf life of about two years at room temperature.

The present composition thus has the stability characteristics discussed above and contains at least one active agent, at least one surfactant, and at least
20 one stabilizing agent chosen from specific solubilizers. By contrast, conventional cleansing compositions that do not contain solubilizers can exhibit a change in viscosity of greater than 20% after 8 weeks at 45°C. Furthermore, while it is
25 generally known to use solubilizers, including ethoxylated materials, to help solubilize fragrances, some solubilizers can disrupt the viscosity of cleansing compositions, causing the initial viscosity to be too low to achieve the objectives of the present invention, e.g., about 5000 cps or less. For example, the ethoxylated
30 solubilizer PPG-26 Buteth-26 PEG-40 hydrogenated castor oil (a mixture sold by Wackherr under the name SOLUBILISANT LRI) disrupts the viscosity of a fragranced cleansing composition, resulting in an initial viscosity of less than about
35 5000 cps.

The inventor has unexpectedly discovered that specific ethoxylated solubilizing agents, particularly polyethylene glycol (PEG) ethers of fatty alcohols, can stabilize compositions containing active agents, particularly lipophilic active
40 agents. In particular, cleansing compositions comprising these specific ethoxylated solubilizing agents, particularly cleansing compositions which also comprise a fragrance, do not exhibit the change in viscosity and do not have unacceptably low viscosities, as described above. The PEG ethers of fatty alcohols used according
45 to the invention may preferably be chosen from compounds having formula (I), below:



5 wherein:

10 R is chosen from alkyl and alkylene fatty chains having from about 10 to about 18 carbons; and,

n represents an average value of from about 10 to about 30.

15 R therefore refers to the fatty alcohol chain and *n* shows the average number of moles of ethylene oxide or the degree of ethoxylation. The solubilizing properties of the compositions are related to R, *n*, and the degree of saturation of the fatty chain. The longer the chain making up R, the more lipophilic the compound, and the higher the *n*, the more hydrophilic the compound. A person of
20 ordinary skill in the art will know how to vary the parameters to achieve a compound which is effective as a solubilizer and, similarly, that the choice of *n* and R depend on the compound that is being solubilized.

25 A person of ordinary skill will also recognize that the numbers used in the definition of *n* and R, above, represent preferred embodiments, and that depending on how each parameter is selected, R and *n* may vary outside the preferred range. Thus, the inventor has used the term "about" in defining *n* and R
30 to represent values, including average values, in combination sufficient to achieve stabilization of compositions of the invention containing active agents, particularly lipophilic active agents, such as fragrances.

35 The preferred PEG ethers of fatty alcohols of formula (I) have an R with a chain length from 10 to 16 carbons, even more preferably 14 to 16, and an average *n* value from 15 to 25, even more preferably 20. Particularly preferred are CETETH-20, which contains 16 carbons in its fatty chain, i.e., including the portion
40 of its fatty chain corresponding to R in formula (I) above as well as the two additional carbon atoms on either side of R, and an *n* of average value 20, or STEARETH-20, which has a 18-carbon chain (where the chain length is as defined above for CETETH-20) and an *n* of average value 20, both available from ICI
45 Americas.

50 When the active agent is a fragrance, the fragrance is present in the inventive composition in an amount up to 5%, preferably in an amount ranging from 2 to 5%. Furthermore, the ratio of the PEG ethers of fatty alcohols to the fragrance

5 in the inventive composition can range from about 1:4 to about 5:1, based on weight. The fragrance(s) can be chosen from conventional fragrances suitable for use in personal cleansing compositions.

10 The composition of the present invention can also contain one or more anionic surfactants, or one or more other surfactants. Anionic surfactants suitable for use in the inventive composition include, but are not limited to alkyl sulfates, alkyl ether sulfates, alkali metal alkylarylsulfonates, alkali metal, alkanolamines, 15 salts of alkyl polyether carboxylic acids, salts of alkylphenyl polyether carboxylic acids, and N-acylamino acids. These anionic surfactants are preferably present in the composition in concentrations of from 8% to 25% and can provide foam properties.

20 Thus, a preferred formulation of the present composition contains:

- a) PEG ether(s) of fatty alcohols in an amount of from 2% to 25%,
- 25 b) anionic surfactant(s) in an amount of from 8% to 25%,
- c) fragrance(s) in an amount of from 2% to 5% and
- d) water.

30 All percentages and/or ratios used herein are by weight of the total composition unless otherwise indicated.

35 Other surfactants may be used alone, or preferably, in combination with the anionic surfactants. For example, certain cleansing compositions, such as baby shampoos, that are intended to be particularly mild may contain amphoteric surfactants. Preferred classes of amphoteric surfactants include: N-alkylamino acids, N-alkylamine oxides, alkylimidazolines, betaines containing fatty chains, or amidobetaines derived from fatty acids, or salts of amino acids such as N-lauryl β -alanine and N-stearyl β -alanine. Preferred nonionic surfactants of the following 40 classes may be used: alkanolamides, alkyl ethers of polyglycerols, alkyl ethers of polyethylene glycols, alkyl glucosides, copolymers of ethylene oxide and propylene oxide.

45 The composition according to the invention is advantageously in a thickened form, preferably a gel. Therefore, the composition preferably also comprises at least one thickener or gelling agent. The thickeners or gelling agents can be either 50 synthetic or natural and are preferably chosen from carboxylic acid polymers,

-6-

crosslinked polyacrylate polymers, polyacrylamide polymers, polysaccharides, gums, gelatins, vinyl ether/maleic anhydride copolymers, and crosslinked poly (N-vinylpyrrolidones).

The at least one thickener or gelling agent is preferably present in the composition in an amount ranging from 0.1% to 2%, more preferably from 0.25% to 1% and even more preferably from 0.4% to 0.8%. The thickener or gelling agent can be a single compound as well as a mixture of two or more compounds.

The composition of the present invention can also comprise any ingredient usually used by any person of skill in the art in the personal care area. Such ingredients can be, but are not limited to, adjuvants such as natural and synthetic polymers, colorants, preservatives, antioxidants, medicaments, moisturizers, sunscreen agents, germicides, deodorants, opacifiers, pearlizing agents, oils, waxes, thickeners for the oily phase, proteins, amino acids, healing agents, solvents, humectants, emollients, buffers, pH adjusters, chelating agents, and abrasives. A preferred embodiment includes a pearlizing agent.

A person skilled in the art will choose the other ingredients usually associated with a like composition in a way that will substantially maintain the advantages of the present invention.

Another subject of the present invention is a process for stabilizing personal cleansing compositions containing at least one active agent, by including therein specific ethoxylated solubilizing agent(s). In a preferred embodiment, PEG ethers of fatty alcohols are included in cleansing compositions comprising at least one fragrance.

The following examples are intended to illustrate the invention and are not intended to be limiting. All ingredients are named using the CTFA nomenclature, as set forth in the Seventh Edition of International Cosmetic Ingredient Dictionary and Handbook.

-7-

Example 1 (Comparative)

The following composition was made using no solubilizer for the active agent, in this case a fragrance.

	<u>Ingredients</u>	<u>%w/w</u>
	Water	q.s.
	Acrylates/C10-30 alkyl acrylate crosspolymer	0.40
	Disodium EDTA	0.05
	Methylparaben	0.20
	Propylparaben	0.15
	Sodium laureth sulfate	12.35
	Cocamidopropyl betaine	8.60
	Triclosan	0.05
	Glycol distearate	2.00
	Cocamide MEA	2.00
	Sodium hydroxide	0.10
	Polyquaternium-7	1.25
	Phenoxyethanol	0.30
	Corn oil	0.10
	BHT	0.07
	Fragrance	<u>4.00</u>
		100.00

A first premix of sodium hydroxide and water was prepared by mixing the two ingredients with a magnetic stir bar at 25°C until uniform.

A second premix was prepared by mixing polyquaternium-7 and water together at 25°C using a magnetic stir bar.

A third premix of fragrance, corn oil and BHT was prepared at 35°-40° C using a magnetic stir bar.

Water was heated to 75°-80° C. The following ingredients were mixed into the water until dissolved, while maintaining the 75°-80° C temperature, sequentially as follows:

- acrylates/C10-30 alkyl acrylate crosspolymer;
- disodium EDTA, methylparaben and propylparaben,
- sodium laureth sulfate,
- cocamidopropyl betaine and triclosan.

Mixing continued until the dispersion appeared uniform. The mixture was cooled to 70°-75° C and glycol distearate added and mixed in until melted and

-8-

dissolved. Cocamid MEA was then mixed until dissolved and the mixture was uniform. The blend was then cooled until 65°-70°C wherein the first premix was blended in until the mixture was uniform. After cooling until 30°-35°C, the second premix was mixed in until uniform, followed by phenoxyethanol which was also mixed in until uniform. Finally, the 30 premix was added and mixed in until the blend was uniform. The mixture was cooled to 25°C.

The viscosity of the composition was measured 24 hours after manufacture using a Brookfield RVT using spindle #5, rotating at 20 rpm for 1 minute at 25°C. The viscosity measurements are shown below in Table 1. The initial viscosity of 15450 centipoise (cps) dropped to 7650 cps after 2 weeks at 45°C. It remained fairly constant after that with a reading of 8750 cps after 8 weeks at 45°C. Thus, when no solubilizer is used, the viscosity drops about 50% in two weeks and remains at about that level.

Table 1

<u>Time</u>	<u>Viscosity</u>
Initial	15450 cps
After 2 weeks @ 45°C	7650 cps
After 8 weeks @ 45°C	8750 cps

A similar drop in viscosity (50% drop or more) was observed after one or more freeze-thaw cycles. The freeze-thaw process was carried out by placing the composition in a chamber that cycled between a temperature of -10°C and a temperature of 25°C. The composition was maintained at each temperature for about 12 hours, with less than 1 hour transition between the two temperatures. Thus, one cycle was 24 hours in length. After one cycle the viscosity dropped from the initial 15450 cps to 7100 cps, after 6 cycles the viscosity was 6100 cps.

-9-

Table 2

<u>Time</u> <u>(Freeze-Thaw Cycles)</u>	<u>Thaw</u> <u>(Cps)</u>
Initial	15450
After 1	7100
After 6	6100

Thus, when no solubilizer is used, the viscosity reduction is about 55%.

Example 2 (Comparative)

<u>Ingredients</u>	<u>%w/w</u>
Water	q.s.
Acrylates/C10-30 alkyl acrylate crosspolymer	0.40
Disodium EDTA	0.05
Methylparaben	0.20
Propylparaben	0.15
Sodium laureth sulfate	12.35
Cocamidopropyl betaine	8.60
Triclosan	0.05
Glycol distearate	2.00
Cocamide MEA	2.00
Sodium hydroxide	0.10
Polyquaternium-7	1.25
Phenoxyethanol	0.30
Corn oil	0.10
BHT	0.07
PPG-26 Buteth-26 PEG-40	4.00
hydrogenated castor oil	
Fragrance	<u>4.00</u>
TOTAL	100.00

The product in this example was made according to the process outlined in Example 1, except that the solubilizer was premixed along with the fragrance, the corn oil and the BHT. The product was made with 4% PPG-26 Buteth-26 PEG-40 Hydrogenated castor oil as a solubilizer for the fragrance. The viscosity of the initial composition was too low, i.e., less than 5000 cps. Thus, the viscosity was aesthetically unacceptable to achieve the objectives of the present invention and additional stability studies were not warranted.

-10-

Example 3 (Comparative)

	<u>Ingredients</u>	<u>%w/w</u>
5		
10	Water	q.s.
	Acrylates/C10-30 alkyl	0.40
	acrylate crosspolymer	
	Disodium EDTA	0.05
	Methylparaben	0.20
15	Propylparaben	0.15
	Sodium laureth sulfate	12.35
	Cocamidopropyl betaine	8.60
	Triclosan	0.05
	Glycol distearate	2.00
	Cocamide MEA	2.00
20	Sodium hydroxide	0.10
	Polyquaternium-7	1.25
	Phenoxyethanol	0.30
	Corn oil	0.10
	BHT	0.07
25	Polysorbate-20	4.00
	Fragrance	<u>4.00</u>
	TOTAL	100.00

30 The product in this example, and in the subsequent examples, was made in the same manner as Example 2. The product in this Example 3 was made with 4% Polysorbate-20, a polyoxyethylene sorbitan laurate ester used as a solubilizer to replace the 4% PPG-26 Buteth-26 PEG-40 Hydrogenated castor oil. The viscosity

35 was too low, i.e. less than 5000 cps, and the product was deemed aesthetically unacceptable to achieve the objectives of the present invention.

-11-

Example 4 (Inventive)

<u>Ingredients</u>	<u>%w/w</u>
Water	q.s.
Acrylates/C10-30 alkyl acrylate crosspolymer	0.40
Disodium EDTA	0.05
Methylparaben	0.20
Propylparaben	0.15
Sodium laureth sulfate	12.35
Cocamidopropyl betaine	8.60
Triclosan	0.05
Glycol distearate	2.00
Cocamide MEA	2.00
Sodium hydroxide	0.10
Polyquaternium-7	1.25
Phenoxyethanol	0.30
Corn oil	0.10
BHT	0.07
Fragrance	4.00
STEARETH-20	<u>2.00</u>
	100.00

The product in this example was made by replacing the PPG-26 Buteth-26 PEG-40 hydrogenated castor oil of Example 2 with STEARETH-20. The viscosity was measured on a Brookfield RVT viscometer using spindle #6 under the same conditions as those in Example 1. The viscosity measurements are shown below in Table 3. This initial viscosity of 7160 cps dropped only to 5820 cps (a 18.7% drop) after 2 weeks at 45°C. The viscosity showed a slight improvement over time with a reading of 6740 cps (a 5.9% reduction in viscosity) after 8 weeks at 45°C. The freeze-thaw stability measurements are shown below in Table 4. The freeze-thaw stability was also improved showing a reduction of the viscosity to 6360 cps (11.2%) reduction after 1 cycle and a viscosity of 7120 cps (a reduction of 0.6%) after 6 cycles. This shows that STEARETH-20 did not negatively affect the viscosity as compared to the PPG-26 Buteth-26 PEG-40 hydrogenated castor oil of Example 2. In particular, the composition comprising STEARETH-20 exhibited an acceptable initial viscosity and a relatively constant viscosity profile, whereas the composition containing the PPG-26 Buteth-26 PEG-40 hydrogenated castor oil had an initial viscosity that was too low.

-12-

Table 1

<u>Time</u> <u>(Weeks)</u>	<u>Viscosity</u> <u>(Cps)</u>
Initial	7160
After 2 weeks at 45°C	5820
After 8 weeks at 45°C	6740

Table 2

<u>Time</u> <u>(Freeze-Thaw Cycles)</u>	<u>Viscosity</u> <u>(Cps)</u>
After 1	6360
After 6	7120

Example 5 (Inventive)

<u>Ingredients</u>	<u>%w/w</u>
Water	q.s.
Acrylates/C10-30 alkyl acrylate crosspolymer	0.40
Disodium EDTA	0.05
Methylparaben	0.20
Propylparaben	0.15
Sodium laureth sulfate	12.35
Cocamidopropyl betaine	8.60
Triclosan	0.05
Glycol distearate	2.00
Cocamide MEA	2.00
Sodium hydroxide	0.10
Polyquaternium-7	1.25
Phenoxyethanol	0.30
Corn oil	0.10
BHT	0.07
Fragrance	4.00
CETETH-20	<u>4.00</u>
	100.00

The product in this example was made in the same manner as in Example 4 by replacing the STEARETH-20 with CETETH-20. The composition of Example 5 exhibited an initial viscosity comparable to the composition containing STEARETH-

-13-

5

20. Although stability studies were not carried out, the result would be expected to be similar to those of Example 4.

10

15

20

25

30

35

40

45

50

55

Claims

5

10

15

20

25

30

35

40

45

50

55

5 What is claimed is:

1. A stable personal cleansing composition comprising:
at least one stabilizing agent chosen from ethoxylated solubilizing agents,
10 at least one surfactant, and
at least one active agent.

15 2. The composition according to claim 1, wherein said ethoxylated
solubilizing agent is chosen from polyethylene glycol ethers of fatty alcohols.

20 3. The composition according to claim 2, further comprising at least one
anionic surfactant.

25 4. The composition according to claim 3, wherein said at least one
anionic surfactant is present in said composition in an amount ranging from 8% to
25% based on the total weight of the composition.

30 5. The composition according to claim 3, wherein said at least one
anionic surfactant is chosen from alkyl sulfates, alkyl ether sulfates, alkali metal
alkylarylsulfonates, alkali metal alkanolamines, salts of alkyl polyether carboxylic
acids, salts of alkylphenyl polyether carboxylic acids, and N-acylamino acids.

35 6. The composition according to claim 1, further comprising water.

40 7. The composition according to claim 1, wherein said at least one
active agent is chosen from lipophilic compounds.

45 8. The composition according to claim 1, wherein said at least one
active agent is a fragrance.

50 9. The composition according to claim 2, wherein:
said at least one polyethylene glycol ether of fatty alcohols is present in said
composition in an amount ranging from 2% to 25%;

10

15

20

25

30



40

45

50

55

-16-

5 15. The composition according to claim 14, wherein R is chosen from
alkyl and alkylene fatty chains of from 14 to 16 carbons, and n has an average
10 value of 20.

15 16. The composition according to claim 8, further comprising at least one
thickening agent.

20 17. The composition according to claim 16, wherein said at least one
thickening agent is chosen from carboxylic acid polymers, crosslinked polyacrylate
polymers, polyacrylamide polymers, polysaccharides, gums, gelatins, vinyl
ether/maleic anhydride copolymers, and crosslinked poly (N-vinylpyrrolidones).

25 18. The composition according to claim 16, wherein said at least one
thickening agent is present in said composition in an amount ranging from 0.1% to
2% based on the total weight of the composition.

30 19. The composition according to claim 18, wherein the amount of said at
least one thickening agent ranges from 0.25% to 1%.

35 20. The composition according to claim 19, wherein the amount of said at
least one thickening agent ranges from 0.4% to 0.8%.

40 21. The composition according to claim 16, further comprising at least
one additional adjuvant chosen from natural and synthetic polymers, colorants,
preservatives, antioxidants, medicaments, moisturizers, uv filters, germicides,
deodorants, opacifiers, pearlizing agents, oils, waxes, thickeners for the oily phase,
proteins, amino acids, healing agents, solvents, humectants, emollients, buffers,
45 pH adjusters, chelating agents, abrasives, and surfactants other than anionic
surfactants.

50 22. The composition according to claim 21, wherein said at least one
adjuvant is a pearlizing agent.

55

-17-

5

23. A process for stabilizing a cleansing composition, comprising:
including an effective amount of at least one stabilizing agent chosen from
ethoxylated solubilizing agents in a cleansing composition containing at least one
at least one surfactant and at least one active agent.

10

15

24. A process according to claim 23, wherein said at least one
ethoxylated solubilizing agent is chosen from polyethylene glycol ethers of fatty
alcohols.

20

25. A process according to claim 24, wherein said at least one active
agent is a fragrance.

25

26. A personal cleansing composition comprising:
at least one polyethylene glycol ether of a fatty alcohol, at least one anionic
surfactant, and at least one fragrance.

30

35

40

45

50

55

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 99/01423

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K7/48 A61K7/46		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 91 18587 A (PROCTER & GAMBLE) 12 December 1991 (1991-12-12) page 3, line 20-35 page 14, line 16-21 page 15 claim 1; examples 1-7 ---	1,2,6-8, 10-15,21
X	US 4 753 747 A (CLARK KENNETH F ET AL) 28 June 1988 (1988-06-28) example 7 --- -/--	1-3,5-8, 10-16, 21,26
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claims or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "A" document member of the same patent family		
Date of the actual completion of the international search 27 October 1999		Date of mailing of the international search report 22/12/1999
Name and mailing address of the ISA European Patent Office, P.B. 5816 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040. Tx. 31 651 epo nl. Fax: (+31-70) 340-3016		Authorized officer Sierra Gonzalez, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 99/01423

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 466 237 A (QUEST INT) 15 January 1992 (1992-01-15) page 3, line 30-37 page 4, line 47-58 page 5, line 1-27 page 6, line 21 claims 1-4,8,10 ---	1-16,21, 23-26
A	EP 0 658 618 A (INT FLAVORS & FRAGRANCES INC) 21 June 1995 (1995-06-21) the whole document ---	1-26
X	Y. TOKUOKA: "Solubilization of some synthetic perfumes by anionic-nonionic mixed surfactant systems." LANGMUIR, vol. 11, no. 3, 1995, page 725-729 XP002116818 page 725, left-hand column, paragraph 1 -right-hand column, paragraph 1 -----	1-3,5-8, 10-15, 23-26

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 99/01423

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9118587 A	12-12-1991	AU 7864991 A	31-12-1991
		CA 2082813 A	01-12-1991
		EP 0531337 A	17-03-1993
		FI 925230 A	18-11-1992
		NZ 238310 A	26-05-1993
		TR 25791 A	01-09-1993
US 4753747 A	28-06-1988	BE 1002225 A	23-10-1990
		DE 3809947 A	24-11-1988
		ES 2009247 A	16-09-1989
		FR 2615186 A	18-11-1988
		GB 2204875 A,B	23-11-1988
		IT 1219889 B	24-05-1990
		MX 167441 B	23-03-1993
		PH 25245 A	27-03-1991
EP 0466237 A	15-01-1992	PT 86979 A,B	31-05-1989
		AT 103164 T	15-04-1994
		DE 69101474 D	28-04-1994
		DE 69101474 T	21-07-1994
		JP 4227047 A	17-08-1992
EP 0658618 A	21-06-1995	US 5156766 A	20-10-1992
		US 5413723 A	09-05-1995